

Seward Park CSO Reduction Project

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Project Overview

Why are we working on this project?

- *Reduce the amount of raw untreated sewage being released into Lake Washington*
 - Currently approximately 17 overflows per year at the Seward Park outfall
- *State NPDES permit and Federal Consent Decree requirements*
 - Federal and State compliance would mean a long term average of one overflow per year.
 - Fines for failure to comply

Project Overview

Why are we working on this project?



Outfall Dye Test, Basin 45 (Martha Washington Park)
January 2012

Project Overview

Goals of the project:

- *Reduce combined sewer overflows (CSO) into Lake Washington to a long term average of one per year.*
- *Meet the Consent Decree schedule deadlines to avoid paying fines:*
 - *Submit 90% plans and specifications – 10/31/2014*
 - *Start Construction (NTP) – 5/31/2015*
 - *Construction Complete – 12/31/2018*
 - *Achieve Controlled Status – 12/31/2019*
 - *Fines are assessed on a daily basis for missing the dates above and are approximately \$105k the first month and \$150k for every month thereafter.*

Project Overview

What is the project?

- The project is to build two combined sewage storage facilities.
 - One in Seward Park, 2.65 million gallons and
 - One adjacent to Martha Washington Park within the 57th Ave South right-of-way, 16,000 gallons.
- The outfall in Seward Park will also be replaced.

Project Overview

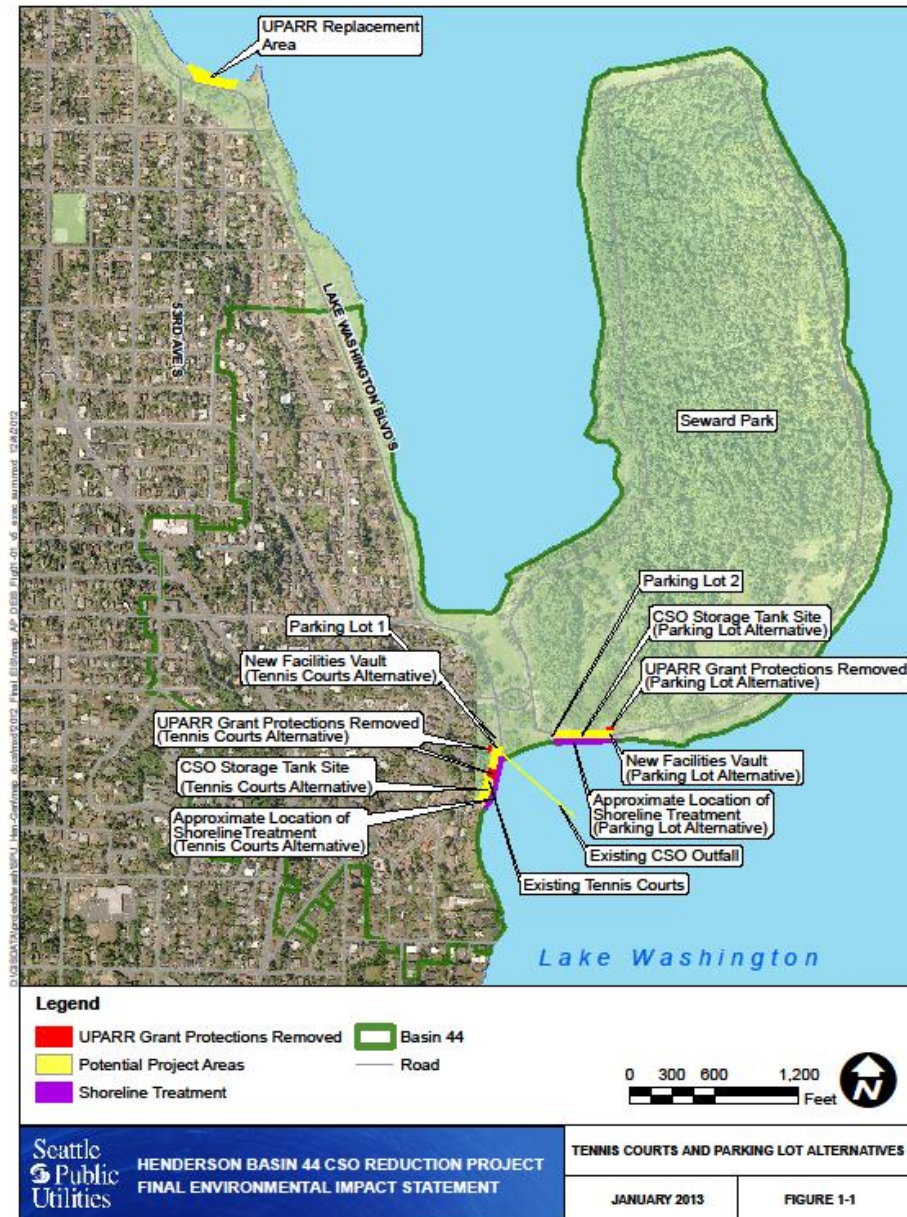
**Basin 44
Seward Park**

**Original Outfall
Construction
1935**



Project Overview

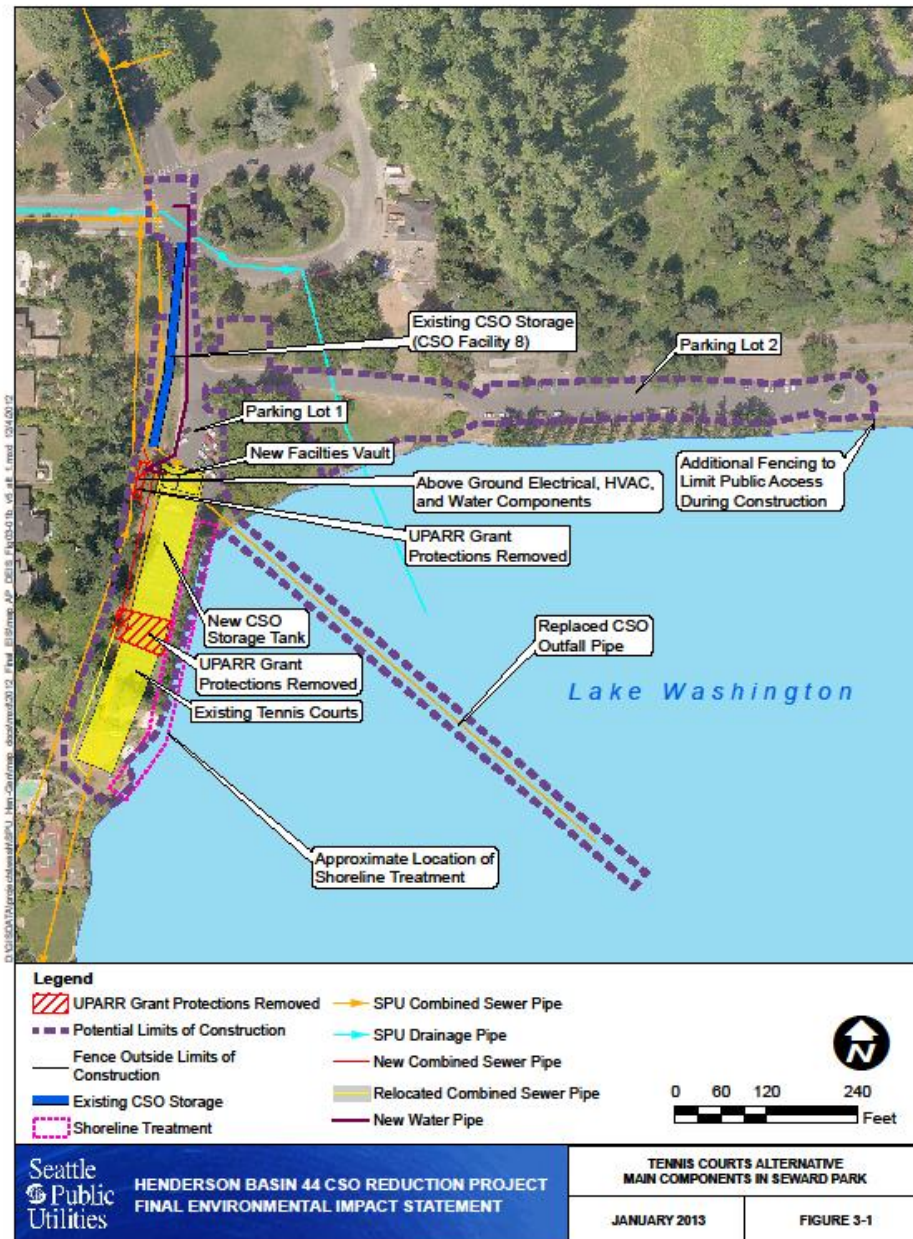
Basin 44 Seward Park



Project Overview

Basin 44 Seward Park

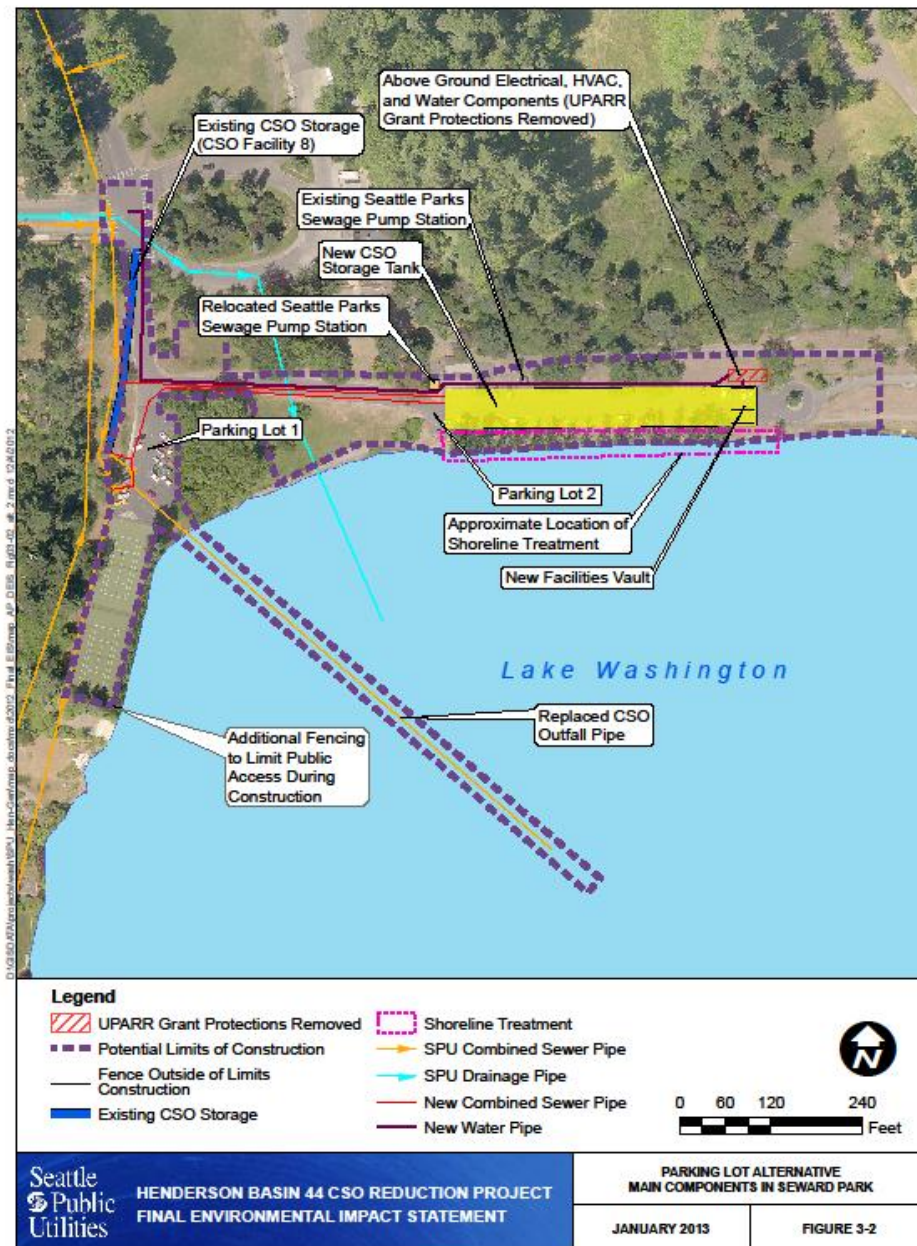
Tennis Court Site



Project Overview

Basin 44 Seward Park

Parking Lot Site

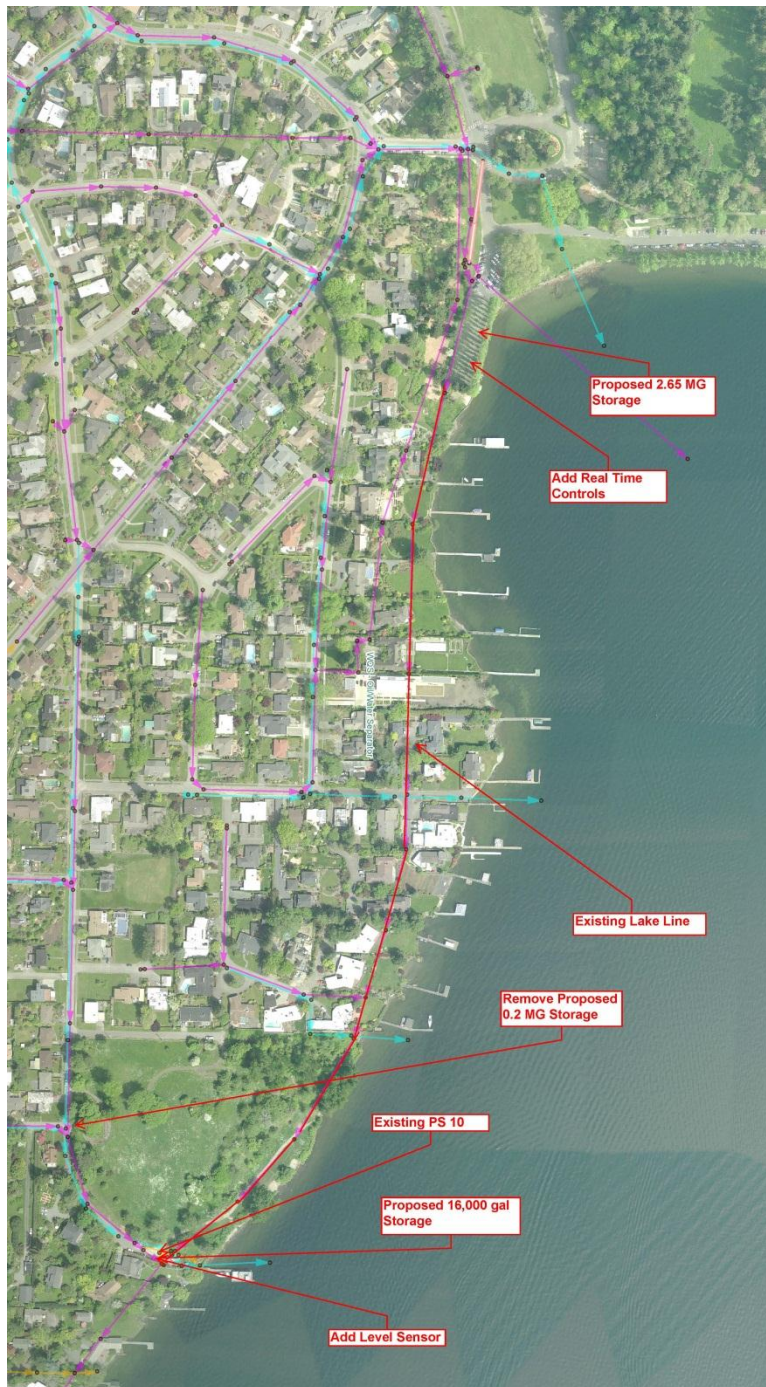


Project Overview

**Basin 44 &
Basin 45**

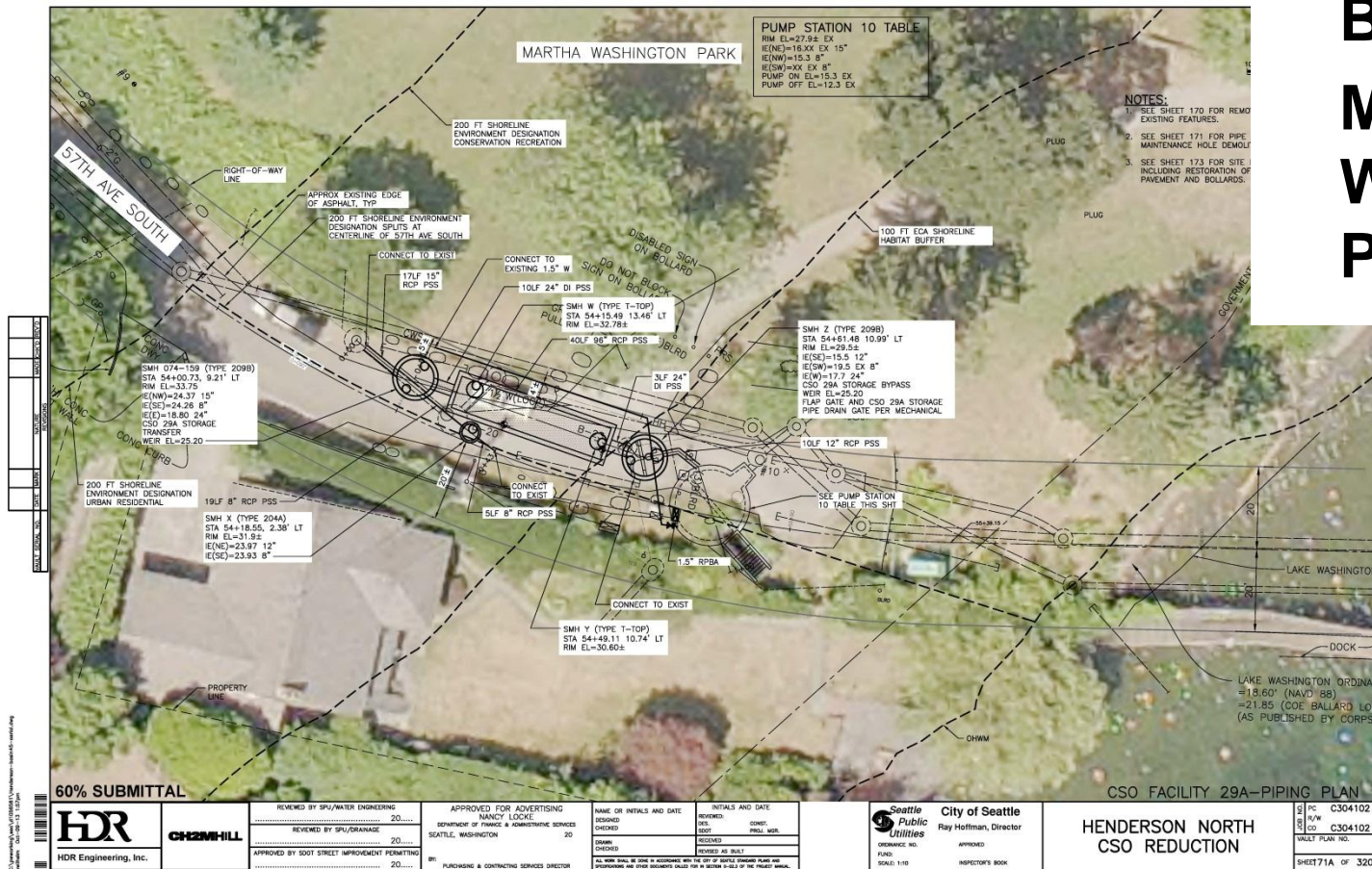
Seward Park

**Martha
Washington
Park**



Project Overview

Basin 45 Martha Washington Park



Public Process

Summer 2010

- SPU identified and analyzed a number of alternatives in conjunction with the public.
- Four steps were utilized:
 1. Identify and Evaluate High-level CSO Control Options
 2. Identify and Evaluate Storage Themes and Sewer Separation /Natural Drainage Systems
 3. Identify and Evaluate General Storage Locations
 4. Identify and Evaluate Site-Specific Storage Alternatives

Public Process

Step 1 - Identify and Evaluate High-level CSO Control Options

- A public workshop was held in November 2010 to present three high level options and their evaluation:
 - Sewer Separation/ Natural Drainage Systems and
 - Storage

Public Process

Flyer for the public workshop that was held in November 2010

A flyer for a community workshop. The background is a blue sky with white clouds at the top and blue water with white waves at the bottom. The title 'Community Workshop - You're Invited!' is in large, bold, blue letters. To the right is a logo for 'RESTORE OUR WATERS' with 'SEATTLE PUBLIC UTILITIES' and 'COMBINED SEWER OVERFLOW REDUCTION' below it. The date and time 'Thursday, November 18, 2010 6:00 - 8:00 pm' are in green, followed by the location 'Rainier Community Center, 4600 38th Avenue S, Seattle'. A green box contains text about SPU exploring options to reduce CSOs. A blue box lists reasons to come to the workshop. A blue box explains what a CSO is. A map shows the North Henderson Basins, Seward Park, and Martha Washington Park with CSO outfalls 44 and 45 marked. A text box explains SPU is studying multiple options.

Community Workshop - You're Invited!

Thursday, November 18, 2010 6:00 - 8:00 pm
Rainier Community Center, 4600 38th Avenue S, Seattle

SPU is exploring options to reduce Combined Sewer Overflows (CSOs) in your neighborhood. This project is just beginning. This is the first of three workshops to gather community input regarding the best way to address CSOs in the North Henderson basin.

Come to this workshop to:

- Learn about methods to reduce CSOs
- Explore the options
- Ask questions and provide your input

What is a CSO?

CSOs happen when pipes that carry both sewage and stormwater overflow into our waterways during heavy rain. Reducing CSOs will provide cleaner waterways for a healthy Seattle.

RESTORE OUR WATERS
SEATTLE PUBLIC UTILITIES
COMBINED SEWER OVERFLOW REDUCTION

NORTH HENDERSON BASINS
Seward Park
Martha Washington Park
Lake Washington
CSO OUTFALL 44
CSO OUTFALL 45

SPU is studying multiple options, including under streets, under Seward Park and Martha Washington Park, and underneath private property.

Public Process

Steps 2 and 3 - Identify and evaluate storage themes and sewer separation /natural drainage systems, identify and evaluate general storage locations

- Three public workshops were held December 2010 through March 2011.
- The evaluation identified storage in the vicinity of Seward Park as the viable theme for Basin 44

Public Process

Step 4 - Identify and Evaluate Site-Specific Storage Alternatives

- Spring of 2011, two storage themed sites were identified within Seward Park, the tennis court site and the parking lot site.

Public Process

Environmental Process – Scoping Process

- A Determination of Significance (DS) was published at several times and locations with notification of a scoping meeting.
- Postcards were sent every to residence in Basin 44 and Basin 45, approximately 1,700 in total.
- Meeting flyers were delivered to community centers, public libraries, synagogues and post offices.

Public Process

Environmental Process – Scoping Process

- Several other means of reaching out to the community were also used.
- A scoping meeting for the Draft EIS was held on June 7, 2011.
 - 14 people attended the Draft EIS scoping meeting and 8 people submitted comments.

Public Process

Environmental Process – Draft EIS

- The environmental analysis was completed between the summers of 2011 and 2012
- The Draft EIS was made available in October 2012.
 - Within the Draft EIS the Tennis Court site was identified as the preferred alternative.

Public Process

Environmental Process – Draft EIS

- The environmental analysis was completed between the summers of 2011 and 2012
- The Draft EIS was made available in September 17, 2012.
 - Within the Draft EIS the Tennis Court site was identified as the preferred alternative.
- Again notices of availability were published, similar to previous outreach attempts and comments were requested via e-mail or writing by October 17, 2012. In addition SPU staff contacted individuals whose property adjoins the tennis court site.
- A public hearing was held October 8, 2012

Public Process

Environmental Process – Final EIS and Revised Final EIS

- The Final EIS was published was published in January of 2013
- The Final EIS was appealed by a coalition of homeowners
- A Hearing Examiner reviewed the appeal and requested that the City perform additional study on the operational noise impacts.
- The additional study was completed in the summer of 2013 and a revised Final EIS was made available September 5, 2013.

Public Process

Environmental Process – Revised Final EIS Addendum

- During the spring of 2013 value engineering identified an approximate \$10m savings in project costs in reducing the size of the storage in Basin 45 and increasing the size of the storage in Basin 44.
- During the spring and summer of 2013 this design was refined and on September 25, 2013 an addendum to the Revised Final EIS was made available.

Project Status - Current

- Project plan and cross-section (handout) – Fall of 2013
- Existing and proposed plan view (handout)
- Surface Treatments (handout) – Under review currently
 - Boardwalk
 - Shoreline
 - Pervious

Project Status – Issues

Regulatory Compliance Dates

Milestone	Status	Deadline	Actual/ Projected	Finish Variance
Submit 90% plans & specifications and draft construction quality assurance plan	Not started	10/31/14	6/11/14	+4+ months
Submit final plans, specifications & construction quality assurance plan	Not started	3/30/15	11/13/14	+4+months
Start construction (NTP)	Not started	5/31/15	5/8/15	+<1 month
Construction Complete	Not started	12/31/18	11/1/17	+1 year
Achieve controlled status	Not started	12/31/19	11/2/18	+1 year

Project Status - Issues

Permitting

1. I-42/ PTOJ Ordinance – Council approval
2. MUP – Land Use Permit – DPD approval
3. Building Permit – DPD approval

Project Status - Issues

Home Owners

- Adjacent home owners do not want the project near their homes.
- They prefer the parking lot site.
 - Their reasons
 - Noise
 - Odor
 - Potential construction damage to their homes
- How SPU is attempting to address their concerns.

Project Status - Issues

Tennis Court versus Parking Lot Site

- Short term impacts (24 month construction period)
 - Both Sites
 - Construction noise – Park users and home owners
 - Steep slopes adjacent to sites
 - Near the shoreline
 - Tennis Court Site
 - Loss of tennis courts and parking lot (approx. 35 stalls) by tennis courts
 - Parking Lot Site
 - Loss of main Park parking lot (approx. 90 stalls)
 - Potential loss of events during construction,
 - 72 events per year within the park with over 100 people.
 - 19 of the 72 events have over 500 attendees
 - The Audubon Center estimates 10,000 visitors per year.

Project Status - Issues

Tennis Court versus Parking Lot Site

- Long term impacts – Potential Equity Issues
 - Both sites
 - Interruption of use for maintenance – up to 4 hours one day per month during the rainy season October through April
 - Loss of future development potential
 - Tennis Courts
 - Reduction of smells from the existing facility
 - Parking Lot

Questions

or

Thoughts